



MEMORANDUM

TO: Anacostia Restoration Steering Committee
FROM: Steve Bieber, Chief, Urban Watershed Programs and Homeland Security
SUBJECT: Proposed FY19 Anacostia Partnership Work Program and Budget
DATE: June 17, 2018

Summary – The proposed Anacostia Partnership Work Program and Budget for FY19 provides support for COG staff to implement Partnership priorities, track restoration projects, coordinate restoration activities and provide technical services. Importantly, the budget would support a portion of the Anacostia Partnership Watershed Manager (WM), who will work with COG staff and the Partnership to broaden the social media communication campaign and bring the Anacostia community to “#ComeToTheRiver” to recreate. At the foundation of this message is the local government’s capital restoration investment to which other watershed communities can leverage.

Activities – The Work Program and Budget Document is divided into three main program areas:

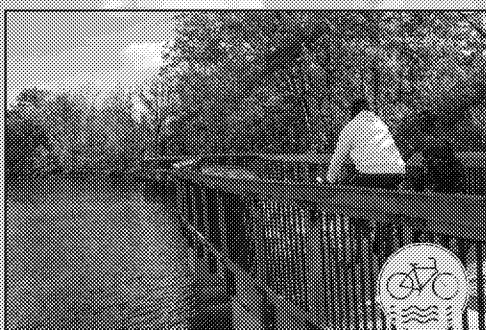
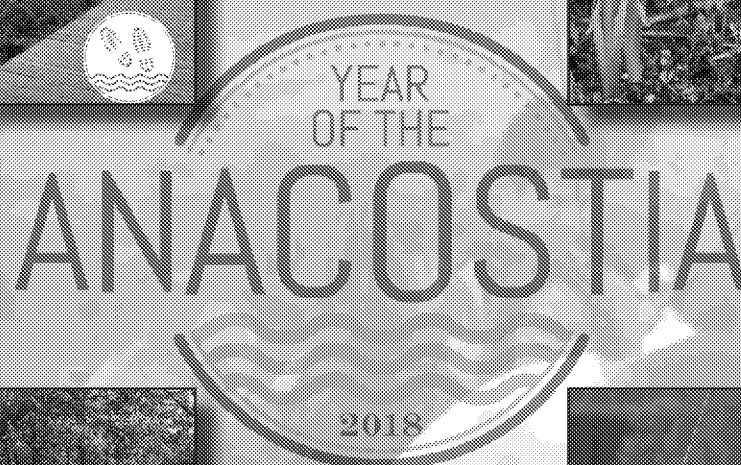
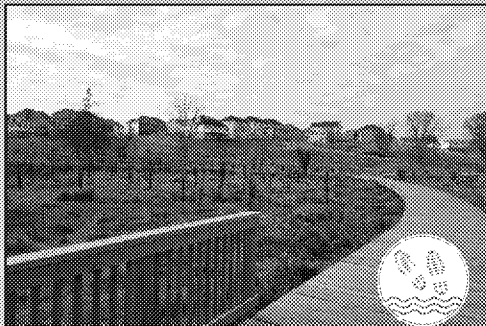
1. Restoration Implementation, Tracking and Coordination;
2. Program Coordination and Reporting; and
3. Outreach.

Selected FY19 Work Program major outcomes are highlighted below and include the following:

- Upgrade the www.Anacostia.net web site to enhance the visual appeal, navigation and respond to the needs of the users and devices they are using.
- Develop and sustain a long-term Anacostia messaging campaign with a focus on the #YOTA and #ComeToTheRiver with member PIOs, outreach specialists and community partners.
- Track completed restoration projects and update the online mapping services and dashboard that summarize and highlight the Anacostia restoration progress.
- Continue to coordinate toxics-related monitoring work with DOEE, MCDEP, PGDoE, USFWS, USGS, MDE, MDDNR and others.
- Continuation of COG’s direct technical service support to the Partnership through trash and biological monitoring, watershed tree canopy and forest cover analyses, fish blockage inventory revision, streambank/gully erosion identification surveys, etc.;
- Continued to coordinate the Anacostia Trash Reduction Workgroup to standardize the accounting methodology and promote trash reporting online tools for trash TMDL reduction efforts.

Recommendation – It is recommended that the Steering Committee support the proposed funding levels.

Anacostia Watershed Restoration Partnership



Department of Environmental Programs
FY 2019 Work Program and Budget
July 1, 2018 to June 30, 2019

DRAFT

Table 1. Actual Anacostia Watershed Partnership (ARP) Funding Contributions from FY08 - FY18

Funding Year	Local (\$)	State (\$)	Federal* (\$)	COG (\$)	Total (\$)
FY10	249,000	83,000	-	46,600	378,600
FY11	206,000	83,000	-	46,600	335,600
FY12	249,000	83,000	-	46,600	378,600
FY13	249,000	83,000	-	52,085	384,085
FY14	249,000	83,000	-	52,085	384,085
FY15	253,980	84,660	-	52,085	390,725
FY16	253,980	84,660	50,000	61,082	449,722
FY17	253,980	84,660	50,000	61,000	449,640
FY18	253,980	84,660	-	61,000	399,640
*Watershed Manager Supporting Grant (through the EPA CBIG Program)					

Table 2. COG Actual FY13-18 Contributions¹ and Requested FY19 ARP Budget

SIGNATORY	FUNDING AGENCY	FY15	FY16	FY17	FY18	FY19 (Requested)
District of Columbia	Dept. of Energy and Environment	\$84,660	\$84,660	\$84,660	\$84,660	\$88,046
State of Maryland	Dept. of the Environment	\$42,330	\$42,330	\$42,330	\$42,330	\$43,000
	Dept. of Natural Resources	\$42,330	\$42,330	\$42,330	\$42,330	\$44,023
Montgomery	Dept. of Environmental Protection	\$84,660	\$84,660	\$84,660	\$84,660	\$88,046
Prince George's	Dept. of The Environment	\$84,660	\$84,660	\$84,660	\$84,660	\$88,046
COG ¹	Dept. of Environmental Programs	\$52,085	\$61,082	\$61,000	\$61,000	\$63,500
Subtotal (Baseline COG Support)		\$390,725	\$399,722	\$399,640	\$399,640	\$414,661
Federal	Environmental Protection Agency (EPA - Watershed Manager Grant) ²	\$0	\$50,000	\$50,000	\$0	\$50,000
	EPA (Festival Del Rio)	\$0	\$0	\$0	\$0	\$2,000
Anacostia Social Media Outreach and Messaging Campaign						\$45,000
Total		\$390,725	\$449,722	\$449,640	\$399,640	\$511,661
¹ Note: Funding includes annual COG general fund distribution.						
² Anacostia Watershed Manager Supporting Grant (through the EPA CBIG Program)						

Table 3. Anacostia Restoration Partnership Budgets: FY18 and FY19 (Requested)

Line	Costs by FY	FY18 (Actual)	FY19 (Requested)
State & Local Baseline Contributions (ARF)			
1	Local	\$253,980	\$264,138
2	State	\$84,660	\$87,023
3	COG Match	\$61,000	\$63,500
4	Baseline COG Support (ARF) (Sum of Lines 1-3)	\$399,640	\$414,661
Additional Partnership Support			
5	EPA Watershed Manager	\$0	\$50,000
6	EPA Festival Del Rio	\$0	\$2,000
7	Total (Sum of Lines 4, 5 and 6)	\$399,640	\$466,661
8	Anacostia Social Media Outreach and Messaging Campaign	\$0	\$45,000
9	Total (Sum of Lines 7 and 8)	\$399,640	\$511,661

Table 4. Proposed Work Program & Budget Process for FY 2018

Date	Activity
June 2017	SC adopts ARF funding for FY 2018 and requests a draft FY 2019 work program and budget (WP&B) for review in late fall
August/September 2017	FY18 invoices are prepared and submitted.
September – December 2017	COG meets with DC, MCCO and PGCO, MDE, MDDNR, EPA, COE, and NPS representatives to outline proposed initiatives and to coordinate work with the SC and MC; SC reviews both the funding status of the FY18 WP&B and provides guidance
Jan. – Feb. 2018	COG provides mid-year Anacostia progress report and discusses FY 2018 and envisioned FY 2019 work program needs, identify watershed priorities and associated funding levels
April/May 2018	COG drafts proposed FY 2019 WP&B and reviews with the Management Committee
June 2018	SC adopts FY 2019 WP&B.

Overview

Purpose – Efforts to restore the Anacostia watershed began nearly three decades ago. Since that time, local, state, and federal government agencies, as well as environmental organizations and dedicated private citizens have contributed significant resources toward re-establishing as much of the original ecosystem as possible.

Established in 2007, the Anacostia Partnership's principal purpose is to provide policy, program and financial oversight of the ecological restoration and protection of the Anacostia watershed, including approval of the annual work program and budget for the Anacostia Watershed Manager and the Anacostia Restoration support activities of COG.

The work program provides support for COG staff to implement Partnership priorities, track restoration projects, coordinate restoration activities and provide technical services. Importantly, COG staff will focus on enhancing the communication efforts through various media to continue to attract the Anacostia community to "come to the river" to recreate. At the foundation of this message is the local government's capital restoration investment to which other watershed communities can leverage.

Organization - The activities in the WP&B are divided into three broad categories: (I) Restoration Implementation Coordination; (II) Program Coordination and Reporting; and (III) Outreach. A separate project page has been prepared for each of the activities under those three program areas.

Funding – The activities in the WP&B are supported by Anacostia Restoration Partnership (ARP) Contributions and COG funds, and grants. The ARP contributions continue the traditional Anacostia Restoration Fund dating back to 1987. Proposed funding support for the Anacostia Watershed Manager/Ambassador is contingent upon first EPA Grant funding and then a combination of local member funding.

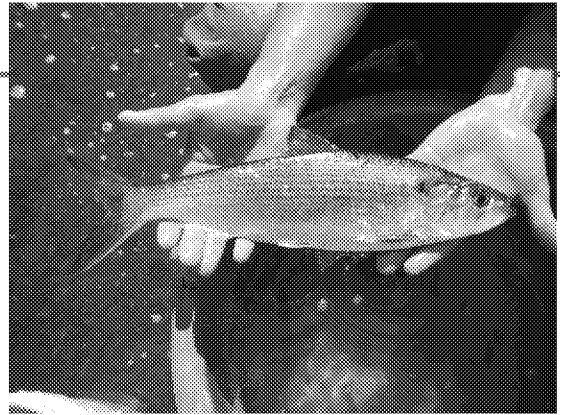


Table 5. Anacostia Partnership FY 2019 Work Program and Budget Table of Contents

Program Area	Activity	Page
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	9. Small Habitat Improvement Program (SHIP)	14

FY19 Anacostia Partnership Budget by Activity

Table 6. FY19 Work Program Activity and Budget

Program Area	Activity	ARP FY19
I. Restoration Implementation, Tracking and Coordination	1. Development and Implementation of a Messaging Campaign and Partnership Priorities	\$130,000
	2. Support for Implementation, Tracking and Coordination of the Anacostia Restoration Plan (ARP)	\$35,000
II. Program Coordination and Reporting	3. Anacostia Committee Support: Steering Committee	\$70,474
	4. Anacostia Committee Support: Management Committee and Technical Workgroups	\$72,000
	5. Interagency Coordination and Networking	\$41,000
	6. General Technical Assistance and Support	\$15,003
	7. Watershed Resource Monitoring, Inventorying and Tracking	\$81,113
III. Outreach	8. Community Advisory Committee	\$36,071
	9. Small Habitat Improvement Program (SHIP)	\$31,000
Total Requested Funding for FY19		\$511,661

I. Restoration Implementation

There are two proposed work elements in the Restoration Implementation program area:

1. **Development and Implementation of a Messaging Campaign and Partnership Priorities and**
2. **Support for Implementation, Tracking and Coordination of the Anacostia Restoration Projects**

1. **Development and Implementation of a Messaging Campaign and Partnership Priorities Implementing Partnership Priorities**

Committee Oversight	Steering Committee
Staffing	Watershed Manager (TBD), Lisa Ragain, Steve Bieber, Phong Trieu, Aubin Maynard
Activity Description	
COG will coordinate the Partnership effort to develop and implement watershed-wide messaging campaign. The goals are to allow residents to know that they are in the Anacostia Watershed and expand their perception and change their behavior towards the watershed. The approach is to increase the recreational activities along the Anacostia River and streams throughout the District and Prince George's and Montgomery counties. Tasks under this activity will be supported by the Watershed Manager and COG staff.	
Outcomes and Major Products	
<ul style="list-style-type: none">• Develop and sustain Anacostia messaging with PIOs, outreach specialists and community partners for a long-term campaign;• Build upon the work with Skeo Solutions and Partnership to refine messaging;• Continue the messaging workgroup and report review progress to the Partnership and incorporate feedback;• Create and update Anacostia watershed recreational thematic maps;• Coordinate Steering and Management Committee agendas;• Plan and coordinate additional information sharing "Restoration Roundtables";• Assist with the coordination of the Anacostia Trash Workgroup; and• Encourage private sector to deliver similar, consistent messaging to the residents highlighting ongoing restoration efforts and progress, thereby providing the benefits and returns of their investment in the Anacostia.	
Budget (Source of Funds): \$35,000 (ARP) + \$50,000 (EPA/CBIG Grant) + \$45,000 (Messaging Campaign ARP) = \$130,000	

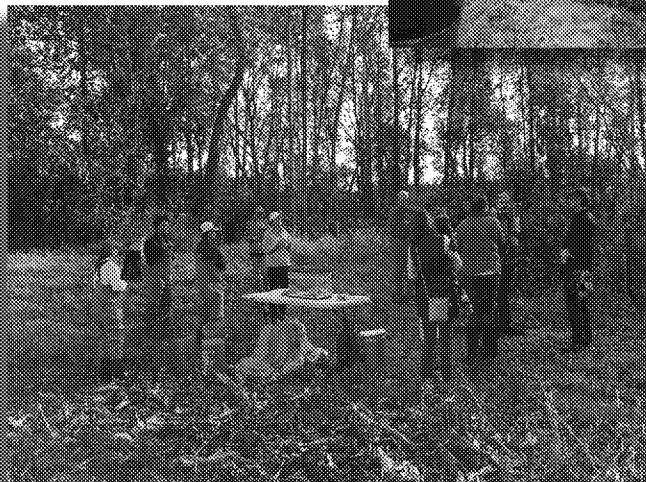
2. Support for Implementation, Tracking and Coordination of the Anacostia Restoration Projects

Committee Oversight	Steering Committee; Management Committee
Staffing	Phong Trieu, Aubin Maynard, Lorena Kowalewski, Watershed Manager (TBD), Intern
Activity Description	
COG will continue to track the Partnership completed restoration projects to include the Anacostia Watershed Restoration Plan (AWRP) and non-AWRP. This work will be coordinated with COG members and COG will report on the progress as it relates to the Anacostia Six Goals. Staff will continue to report these efforts through the www.Anacostia.net web site.	
Outcomes and Major Products	
<ul style="list-style-type: none">• Track completed restoration projects (i.e., Stormwater, Stream Restoration, Biological Health, Wetland Creation, Trash Reduction, Reforestation, Clean Water's Project etc.);• Analyze the restoration project data to tag AWRP and Non-AWRP projects;• Compile, analyze and update the impervious surface treated, miles restored, and sediment and nutrients, sewer overflow and trash reduction indicators;• Compile, analyze and update the miles of stream opened for fish passage, tidal and nontidal wetlands acreage created and forest cover canopy expansion indicators;• Assemble and update the biological condition mapping data;• Update the Anacostia Indicator's Dashboard; and• Update the online mapping services and dashboard that summarize and highlight the Anacostia restoration progress.	
Budget (Source of Funds): \$35,000 (ARP)	

II. Program Coordination and Reporting

Under this program area, COG provides the committee administrative and management support, project tracking reporting services, technical support, and general coordination for the Steering Committee (SC) and the Management (MC) Committee. The activities are broken down as follows:

3. **Anacostia Committee Support: Steering Committee – Technical and administrative support to the Steering Committee.**
4. **Anacostia Committee Support: Management Committee and Special Work Groups – Technical and administrative support to the Management Committee.**
5. **Interagency Coordination and Networking – Provide interagency communication and coordination support on an as needed basis and track watershed restoration activities elsewhere to keep abreast of recent trends and innovations.**
6. **General Technical Assistance and Support – Provide access to COG's technical expertise to Partnership member organizations as requested.**
7. **Watershed Resource Monitoring, Inventorying and Tracking – Continue to gather natural resources and other restoration-related information to maintain an inventory for the watershed.**



3. Anacostia Committee Support: Steering Committee

Committee Oversight	Steering Committee (SC)
Staffing	Lead: Steve Bieber, Watershed Manager (TBD), Phong Trieu, Steve Walz, Aubin Maynard
Activity Description	
COG provides staff for administration, technical and secretarial support for the Steering Committee, including the preparation of agendas, minutes, committee correspondence, coordination and briefing papers.	
Outcomes and Major Products	
<ul style="list-style-type: none"> • Conduct three to four regular meetings of the SC; • Conduct three to four Core member regular pre-SC meetings; • Coordinate agenda and meeting items targeting priorities; • Participate in federal agency coordination meetings with the USACE, EPA, NOAA, USGS, DOD, and NPS; and • Prepare various meeting materials, memos, letters of correspondence, media materials, etc. 	
Budget (Source of Funds): \$70,474 (ARP)	

4. Anacostia Committee Support: Management Committee and Special Work Groups

Committee Oversight	Steering Committee; Management Committee
Staffing	Lead: Phong Trieu; Support: Aubin Maynard, Lorena Kowalewski
Activity Description	
COG provides staff for administration, technical and secretarial support for the Management Committee, including the preparation of agendas, minutes, committee correspondence, and coordination and briefing papers.	
Special Work Groups - COG supports ad-hoc work groups to deal with special topics, including meetings of the Trash, Outreach and Messaging, and Fish Passage Work Groups and any other work group that may be identified during the year.	
Outcomes and Major Products	
<ul style="list-style-type: none"> • Conduct four regular meetings of the MC; • Coordinate agenda and meeting items targeting priorities; • Assist with the coordination of the Anacostia Roundtable meetings; • Coordinate the Anacostia Trash Workgroup to continue to develop unified trash reduction methodologies; and • Participate in Anacostia River sediment remediation related meetings; 	
Budget (Source of Funds): \$72,000 (ARP)	

5. Interagency Coordination and Networking

Committee Oversight	Management Committee
Staffing	Lead: Phong Trieu (technical); Support: Steve Bieber, Aubin Maynard, Lorena Kowalewski
Activity Description	
<p>COG held and attended several meetings with various local, state and federal agencies, the University of Maryland, M-NCPPC and others to improve coordination and cooperation relative to ongoing Anacostia restoration efforts. It is anticipated that similar activities will continue in FY19. Urban watershed restoration is being implemented across the country, using a variety of stormwater and stream restoration strategies and varying levels of success. The Anacostia restoration effort has received local, national and international recognition as evidenced by the large number of information requests fielded annually. However, in order for the program to stay abreast of restoration technology, it is important to both continue to learn from other national programs and initiatives, as well as, share the Partnership's collective experiences with others.</p>	
Outcomes and Major Products	
<ul style="list-style-type: none"> • Upgrade the www.Anacostia.net web site to enhance the visual appeal, navigation and respond to the needs of the users and devices they are using. • Participate in the USACE proposed stream restoration feasibility design for the Sligo Creek, Northwest Branch, Paint Branch, Indian Creek, and Northeast Branch in Prince George's • Work with PGDoE, MCDEP, DOEE, NPS, M-NCPPC, and the University of Maryland to address trash hot spots, stream clean up areas and other trash reduction activities; • Continue to both collect and distribute technical trash reduction information; • Work with DOEE, PGDoE and MCDEP to coordinate the possible revision of the coal-tar sealant ban regulation; • Continue working with USACE, M-NCPPC, MDDNR, MSHA, PGDoE, MCDEP, DOEE, NPS, WSSC, DC WATER, and the University of Maryland to address mutual areas of concern such as stream channel erosion, stormwater runoff problem areas, and exposed and vulnerable utility lines in streams; • Continue to coordinate all restoration-related planning activities; • Work with DOEE, MCDEP, PGDoE, USFWS, USGS, UMD and others to coordinate live clams for toxics monitoring; and • Field questions, and coordinate the communication of the Anacostia restoration effort;. 	
Budget (Source of Funds): \$41,000 (ARP)	

6. General Technical Assistance and Support

Committee Oversight	Management Committee
Staffing	Lead: Phong Trieu; Support: Aubin Maynard
Activity Description	
COG will provide, on a subwatershed by subwatershed basis, technical expertise and support in the areas of watershed assessment, stormwater retrofits, stream restoration, structural trash reduction technology and natural resources-related data input into the development of detailed subwatershed action plans. COG will continue to provide technical assistance and support to members on new Partnership-endorsed initiatives.	
Outcomes and Major Products	
<ul style="list-style-type: none"> • Continue to assist MC members in developing a watershed-based approach for dealing with major issues such as water quality and stream channel erosion monitoring, biological monitoring, trash reduction, tributary sewer line system leakages, LID/ESD implementation, and monitoring, TMDL's, BOD, toxic sediments, wetland creation and CSO's; • Coordinate with University of North Carolina and DC Forensic Science Laboratory to discuss the possibility of DNA fingerprinting testing for fecal bacteria from human sources; • Coordinate Anacostia trash reduction structural control site visits; • Assess innovative water quality monitoring practices & techniques; • Assess innovative trash reduction practices and technologies; • Work with the White Oak FDA facility to identify possible tree planting areas; • Assist jurisdictions on outreach/education projects and initiatives (i.e., Adopt-a-stream, public service day, etc.); • Continue to provide technical assistance to the MC membership and key partners such as BARC, M-NCPPC, WSSC, NPS and others; and • Provide coordination for USACE feasibility study with other projects active in the watershed. 	
Budget (Source of Funds): \$15,003 (ARP)	

7. Watershed Resource Monitoring, Inventorying and Tracking

Committee Oversight	Management Committee
Staffing	Lead: Phong Trieu; Support: Aubin Maynard, Lorena Kowalewski, Intern
Activity Description	
<p>Over the last several years, staff continued to collect Anacostia-related natural resources information to be used in the development of an Anacostia natural resources GIS database system. In addition, COG, continues to actively monitor for river herring, hickory shad and American shad in the Anacostia tributary system.</p> <p>Under this subtask, COG will continue to assist the partnership in the key areas of watershed resource monitoring, inventorying, and tracking. Anticipated activities include: (1) continue to monitor stream channel erosion levels in select portions of the Anacostia tributary system, (2) field visits to both ARP and non-ARP completed projects, (3) continue efforts to inventory and integrate existing fish, macroinvertebrate, amphibian, reptile, bird, mammal and vegetation resources data; (4) continue to track key environmental condition changes, such as watershed imperviousness, forest cover, tree canopy, wetland acreage, etc.; (5) where requested, conduct baseline and performance surveys of local streams, potential targeted restoration areas and/or existing restoration sites; and (6) explore opportunities to carry-out physical/chemical monitoring of selected local streams (grab samples), spot and/or continuous water temperature monitoring, stream canopy coverage and bacterial assessments, etc.</p>	
Outcomes and Major Products	
<ul style="list-style-type: none"> • Conduct site visits of watershed restoration activities such as fish blockages, tree planting, structural trash reduction installation, wetland creation, stormwater and stream restoration projects; • Perform the adult anadromous fish run surveys in the Anacostia tributaries; • Assess year summer 2018 anadromous fish young of the year recruitment surveys; • Present the findings to the Management Committees; • Continue to monitor active stream channel erosion and identify gully erosion areas to DOEE, PGDoE and MCDEP; • Maintain the Partnership's restoration geography database; • Continue summer water temperature monitoring in the Spray Irrigation Tributary, Pope Branch, Stickfoot Run, Nash Run, Fort Dupont and Springhouse Run; • Continue benthic surveys of the Fort Dupont Tributary, Stickfoot Run, Pope Branch, Nash Run, and Springhouse Run subwatersheds; • Conduct water quality on as needed basis; • Continue to support DOEE, MCDEP and PGDoE with trash monitoring services; • Continue to update COG's Anacostia Watershed fish blockage inventory; and • Work with the MC members and its affiliates to continue to develop watershed-wide geographic information systems for the Anacostia. 	
Budget (Source of Funds): \$81,113 (ARP)	

III. Outreach

Outreach activities are intended to (1) enhance the knowledge of key elected officials, agency staff, and the public on the accomplishments, planned restoration initiatives and Anacostia governance structure; (2) provide increased opportunities for input from citizens, agencies, and elected officials; and (3) increase volunteer participation and stewardship. The Outreach and Communication Activities are:

8. **Anacostia Watershed Community Advisory committee – Support to AWCAC**
9. **Small Habitat Improvement Program (SHIP) – Continuation of SHIP activities throughout the watershed, generally in conjunction with watershed groups.**

8. Community Advisory Committee

Committee Oversight	Steering Committee
Staffing	Lead: Aubin Maynard; Support: Phong Trieu, Lorena Kowalewski
Activity Description	
Under this subtask, staff will continue its outreach efforts to citizens in the Anacostia watershed. This major initiative will include continued support of the Anacostia Watershed Community Advisory Committee (AWCAC) that was created by the former AWRC in FY1996, as well as various Anacostia subwatershed groups. Staff will work in cooperation with SC and MC members, the Chair of the AWCAC, and others to: help carry out AWCAC's calendar year 2017-18 goals, strengthen the AWCAC's membership and networking capabilities, raise the community's awareness regarding the Anacostia's problems and potentials, promote public stewardship and to plan and coordinate SHIP-type activities throughout the watershed.	
Outcomes and Major Products	
<ul style="list-style-type: none"> • Assist in holding six meetings of the AWCAC, including limited staff and secretarial support; • Assist the AWCAC in planning, funding and preparing for the "Festival Del Rio"; • Assist the AWCAC in preparing and distributing Anacostia-related materials; • Increase AWCAC's visibility at watershed restoration - related events such as at the Anacostia Earth Day, stream cleanups, tree plantings, etc. (estimated 4-6 per year); • Continue to assist AWCAC in enhancing citizen participation and effectiveness; • Continue to assist AWCAC in their trail stream crossing signage campaign and outreach to a more diverse community; and • Provide assistance to AWCAC to support and develop their project priorities. 	
Budget (Source of Funds): \$36,071 (ARP)	

9. Small Habitat Improvement Program (SHIP)

Committee Oversight	Management Committee
Staffing	Lead: Phong Trieu; Support: Brian LeCouteur, Aubin Maynard, Lorena Kowalewski, Intern
Activity Description	
Staff will provide continued support for SHIP via continued reforestation efforts, stream cleanups and implementation of other citizen-based watershed restoration projects. Staff expects to continue to organize restoration projects and community outreach and education through the SHIP program. The following activities are proposed for FY 19 and will be conducted in coordination with the Partnership and the AWCAC, public and private landholders, local agencies, and local schools.	
Outcomes and Major Products	
<ul style="list-style-type: none"> • Conduct one to two riparian reforestation plantings per planting season and/or perform site maintenance of previously reforested site(s); • Assist MDDNR expanding their backyard tree buffer program in the Anacostia Watershed; • Perform tree planting survivability surveys to document if area meets the Alternative Urban BMP requirements; • Work with White Oak FDA facility to expand the riparian tree planting opportunities; • Work with BARC, UMD and private institutions to look for riparian or non-riparian tree planting opportunities; and • Continue to enlist citizens and schools to assist COG and the MC in assessing the relative amount of: trash, invasive plants, deer browse and street-side canopy present in the Anacostia watershed. 	
Budget (Source of Funds): \$31,000 (ARP)	

